

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	54	pervasive adj developmental adj disorder	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:50			0
2	BRS	L2	4642	(autistic or psychotic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:51			0
3	BRS	L4	2113	nitroimidazole	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:52			0
4	BRS	L5	2805	metronidazole	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:52			0
5	BRS	L6	294	tinidazole or ornidazole	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:52			0
6	BRS	L7	0	1 same (4 or 5 or 6)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:52			0
7	BRS	L3	33	1 same 2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:53			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	0	pers/vasive adj developmental adj disorder	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:54			0
2	BRS	L2	4642	autistic or psychotic	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:54			0
3	BRS	L3	1301	developmental adj disorder	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:54			0
4	BRS	L4	88	2 same 3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:55			0
5	BRS	L5	2805	metronidazole	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:55			0
6	BRS	L6	294	tinidazole or ornidazole	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:56			0
7	BRS	L7	2113	nitroimidazole	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:56			0
8	BRS	L9	0	2 same (6 or 7)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:02			0
9	BRS	L10	0	2 same 7	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 11:57			0
10	BRS	L8	4	2 same 5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:01			0
11	BRS	L11	1	3 same 5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:01			0
12	BRS	L12	1	3 same (6 or 7)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:03			0
13	BRS	L13	1	3 same 7	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:06			0
14	BRS	L14	1	Bolte adj ellen.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/29 12:07			0

FILE 'MEDLINE' ENTERED AT 12:40:27 ON 29 JUL 2003

FILE 'CAPLUS' ENTERED AT 12:40:47 ON 29 JUL 2003  
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FILE 'AGRICOLA' ENTERED AT 12:40:47 ON 29 JUL 2003

=> s pervasive developmental disorder  
L1 2081 PERVASIVE DEVELOPMENTAL DISORDER

=> s nitroimidazole  
L2 11320 NITROIMIDAZOLE

=> s metronidazole  
L3 55148 METRONIDAZOLE

=> s tinidazole or ornidazole  
L4 6987 TINIDAZOLE OR ORNIDAZOLE

=> s l1 (p) (l2 or l3 or l4)  
L5 0 L1 (P) (L2 OR L3 OR L4)

=> d his

(FILE 'HOME' ENTERED AT 12:40:27 ON 29 JUL 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT  
12:40:47 ON 29 JUL 2003

L1 2081 S PERVASIVE DEVELOPMENTAL DISORDER  
L2 11320 S NITROIMIDAZOLE  
L3 55148 S METRONIDAZOLE  
L4 6987 S TINIDAZOLE OR ORNIDAZOLE  
L5 0 S L1 (P) (L2 OR L3 OR L4)

=> log y

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY  
16.95

TOTAL  
SESSION  
17.16

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 12:42:42 ON 29 JUL 2003

\$

FILE 'MEDLINE' ENTERED AT 12:44:58 ON 29 JUL 2003

FILE 'CAPLUS' ENTERED AT 12:44:58 ON 29 JUL 2003  
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FILE 'SCISEARCH' ENTERED AT 12:44:58 ON 29 JUL 2003  
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FILE 'AGRICOLA' ENTERED AT 12:44:58 ON 29 JUL 2003

=> s pervasive developmental disorder  
L1 2081 PERVASIVE DEVELOPMENTAL DISORDER

=> s autistic or autism  
L2 25687 AUTISTIC OR AUTISM

=> s l1 (p) l2  
L3 1192 L1 (P) L2

=> s psychotic  
L4 57768 PSYCHOTIC

=> s l1 (p) l4  
L5 53 L1 (P) L4

=> s l1 Not (l3 or l5)  
L6 854 L1 NOT (L3 OR L5)

=> duplicate remove l6  
DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L6  
L7 504 DUPLICATE REMOVE L6 (350 DUPLICATES REMOVED)

=> s l7 (p) diagnos?  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L44 (P) DIAGNOS?'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L46 (P) DIAGNOS?'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L48 (P) DIAGNOS?'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L50 (P) DIAGNOS?'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L52 (P) DIAGNOS?'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L54 (P) DIAGNOS?'  
L8 243 L7 (P) DIAGNOS?

=> s l8 (p) treat?  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L45 (P) TREAT?'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L47 (P) TREAT?'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L49 (P) TREAT?'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L51 (P) TREAT?'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L53 (P) TREAT?'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L55 (P) TREAT?'  
L9 77 L8 (P) TREAT?

=> d his

(FILE 'HOME' ENTERED AT 12:44:06 ON 29 JUL 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT  
12:44:58 ON 29 JUL 2003

L1 2081 S PERVASIVE DEVELOPMENTAL DISORDER  
L2 25687 S AUTISTIC OR AUTISM  
L3 1192 S L1 (P) L2  
L4 57768 S PSYCHOTIC  
L5 53 S L1 (P) L4  
L6 854 S L1 NOT (L3 OR L5)  
L7 504 DUPLICATE REMOVE L6 (350 DUPLICATES REMOVED)  
L8 243 S L7 (P) DIAGNOS?  
L9 77 S L8 (P) TREAT?

=> log y

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY  
22.86

TOTAL  
SESSION  
23.28

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 12:50:44 ON 29 JUL 2003

FILE 'MEDLINE' ENTERED AT 12:14:30 ON 29 JUL 2003

FILE 'CAPLUS' ENTERED AT 12:14:30 ON 29 JUL 2003  
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FILE 'AGRICOLA' ENTERED AT 12:14:30 ON 29 JUL 2003

=> s pervasive developmental disorder  
L1 0 PERSVASIVE DEVELOPMENTAL DISORDER

=> s autistic disorder  
L2 9512 AUTISTIC DISORDER

=> s psychotic disorder  
L3 23448 PSYCHOTIC DISORDER

=> s nitroimidazole  
L4 11320 NITROIMIDAZOLE

=> s metronidazole  
L5 55148 METRONIDAZOLE

=> s (l2 or l3) (p) l5  
L6 3 (L2 OR L3) (P) L5

=> duplicate remove l6  
DUPLICATE PREFERENCE IS 'MEDLINE, EMBASE, SCISEARCH'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L6  
L7 2 DUPLICATE REMOVE L6 (1 DUPLICATE REMOVED)

=> d l7 1-2 ibib abs

L7 ANSWER 1 OF 2 MEDLINE on STN  
ACCESSION NUMBER: 97390557 MEDLINE  
DOCUMENT NUMBER: 97390557 PubMed ID: 9247414  
TITLE: \*\*\*Metronidazole\*\*\* -induced \*\*\*psychotic\*\*\*  
\*\*\*disorder\*\*\*  
AUTHOR: Schreiber W; Spernal J  
SOURCE: AMERICAN JOURNAL OF PSYCHIATRY, (1997 Aug) 154 (8) 1170-1.  
Journal code: 0370512. ISSN: 0002-953X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Letter  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199708  
ENTRY DATE: Entered STN: 19970902  
Last Updated on STN: 19970902  
Entered Medline: 19970815

L7 ANSWER 2 OF 2 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V. on STN DUPLICATE  
1  
ACCESSION NUMBER: 97235352 EMBASE  
DOCUMENT NUMBER: 1997235352  
TITLE: \*\*\*Metronidazole\*\*\* -induced \*\*\*psychotic\*\*\*  
\*\*\*disorder\*\*\* [5].  
AUTHOR: Schreiber W.; Spernal J.  
SOURCE: American Journal of Psychiatry, (1997) 154/8 (1170-1171).  
Refs: 4  
ISSN: 0002-953X CODEN: AJPSAO  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Letter  
FILE SEGMENT: 004 Microbiology  
010 Obstetrics and Gynecology  
032 Psychiatry

LANGUAGE:

=> s trinidazole or ornidazole  
L8 2046 TRINIDAZOLE OR ORNIDAZOLE

=> d his

(FILE 'HOME' ENTERED AT 12:14:07 ON 29 JUL 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT  
12:14:30 ON 29 JUL 2003

L1 0 S PERSVASIVE DEVELOPMENTAL DISORDER  
L2 9512 S AUTISTIC DISORDER  
L3 23448 S PSYCHOTIC DISORDER  
L4 11320 S NITROIMIDAZOLE  
L5 55148 S METRONIDAZOLE  
L6 3 S (L2 OR L3) (P) L5  
L7 2 DUPLICATE REMOVE L6 (1 DUPLICATE REMOVED)  
L8 2046 S TRINIDAZOLE OR ORNIDAZOLE

=> s (l2 or l3) (p) l8  
L9 0 (L2 OR L3) (P) L8

=> s (l2 or l3) (p) l4  
L10 0 (L2 OR L3) (P) L4

=> s misonidazole or etanidazole or nimorazole  
L11 8971 MISONIDAZOLE OR ETANIDAZOLE OR NIMORAZOLE

=> s (L2 OR L3) (P) L11  
L12 0 (L2 OR L3) (P) L11

=> s bolte ellen/au  
L13 2 BOLTE ELLEN/AU

=> duplicate remove l13  
DUPLICATE PREFERENCE IS 'MEDLINE, BIOSIS'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L13  
L14 1 DUPLICATE REMOVE L13 (1 DUPLICATE REMOVED)

=> d l14 1 ibib abs

L14 ANSWER 1 OF 1 MEDLINE on STN DUPLICATE 1  
ACCESSION NUMBER: 2002437893 MEDLINE  
DOCUMENT NUMBER: 22161938 PubMed ID: 12173102  
TITLE: Gastrointestinal microflora studies in late-onset autism.  
AUTHOR: Finegold Sydney M; Molitoris Denise; Song Yuli; Liu  
Chengxu; Vaisanen Marja-Liisa; \*\*\*Bolte Ellen\*\*\* ;  
McTeague Maureen; Sandler Richard; Wexler Hannah; Marlowe  
Elizabeth M; Collins Matthew D; Lawson Paul A; Summanen  
Paula; Baysallar Mehmet; Tomzynski Thomas J; Read Erik;  
Johnson Eric; Rolfe Rial; Nasir Palwasha; Shah Haroun;  
Haake David A; Manning Patricia; Kaul Ajay  
CORPORATE SOURCE: Infectious Diseases Section, Veterans Affairs Medical  
Center, West Los Angeles, CA, USA.. sidfinegol@aol.com  
SOURCE: CLINICAL INFECTIOUS DISEASES, (2002 Sep 1) 35 (Suppl 1)  
S6-S16.  
Journal code: 9203213. ISSN: 1537-6591.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200208  
ENTRY DATE: Entered STN: 20020829  
Last Updated on STN: 20020830  
Entered Medline: 20020829

AB Some cases of late-onset (regressive) autism may involve abnormal flora  
because oral vancomycin, which is poorly absorbed, may lead to significant  
improvement in these children. Fecal flora of children with regressive  
autism was compared with that of control children, and clostridial counts  
were higher. The number of clostridial species found in the stools of  
children with autism was greater than in the stools of control children.  
Children with autism had 9 species of Clostridium not found in controls,

whereas controls yielded only 3 species not found in children with autism. In all, there were 25 different clostridial species found. In gastric and duodenal specimens, the most striking finding was total absence of non-spore-forming anaerobes and microaerophilic bacteria from control children and significant numbers of such bacteria from children with autism. These studies demonstrate significant alterations in the upper and lower intestinal flora of children with late-onset autism and may provide insights into the nature of this disorder.

=> d his

(FILE 'HOME' ENTERED AT 12:14:07 ON 29 JUL 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT 12:14:30 ON 29 JUL 2003

L1	0 S	PERSVASIVE DEVELOPMENTAL DISORDER
L2	9512 S	AUTISTIC DISORDER
L3	23448 S	PSYCHOTIC DISORDER
L4	11320 S	NITROIMIDAZOLE
L5	55148 S	METRONIDAZOLE
L6	3 S	(L2 OR L3) (P) L5
L7	2	DUPLICATE REMOVE L6 (1 DUPLICATE REMOVED)
L8	2046 S	TRINIDAZOLE OR ORNIDAZOLE
L9	0 S	(L2 OR L3) (P) L8
L10	0 S	(L2 OR L3) (P) L4
L11	8971 S	MISONIDAZOLE OR ETANIDAZOLE OR NIMORAZOLE
L12	0 S	(L2 OR L3) (P) L11
L13	2 S	BOLTE ELLEN/AU
L14	1	DUPLICATE REMOVE L13 (1 DUPLICATE REMOVED)

=> log y

COST IN U.S. DOLLARS

SINCE FILE
ENTRY
38.82

TOTAL
SESSION
39.03

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 12:22:29 ON 29 JUL 2003